Fig. 1

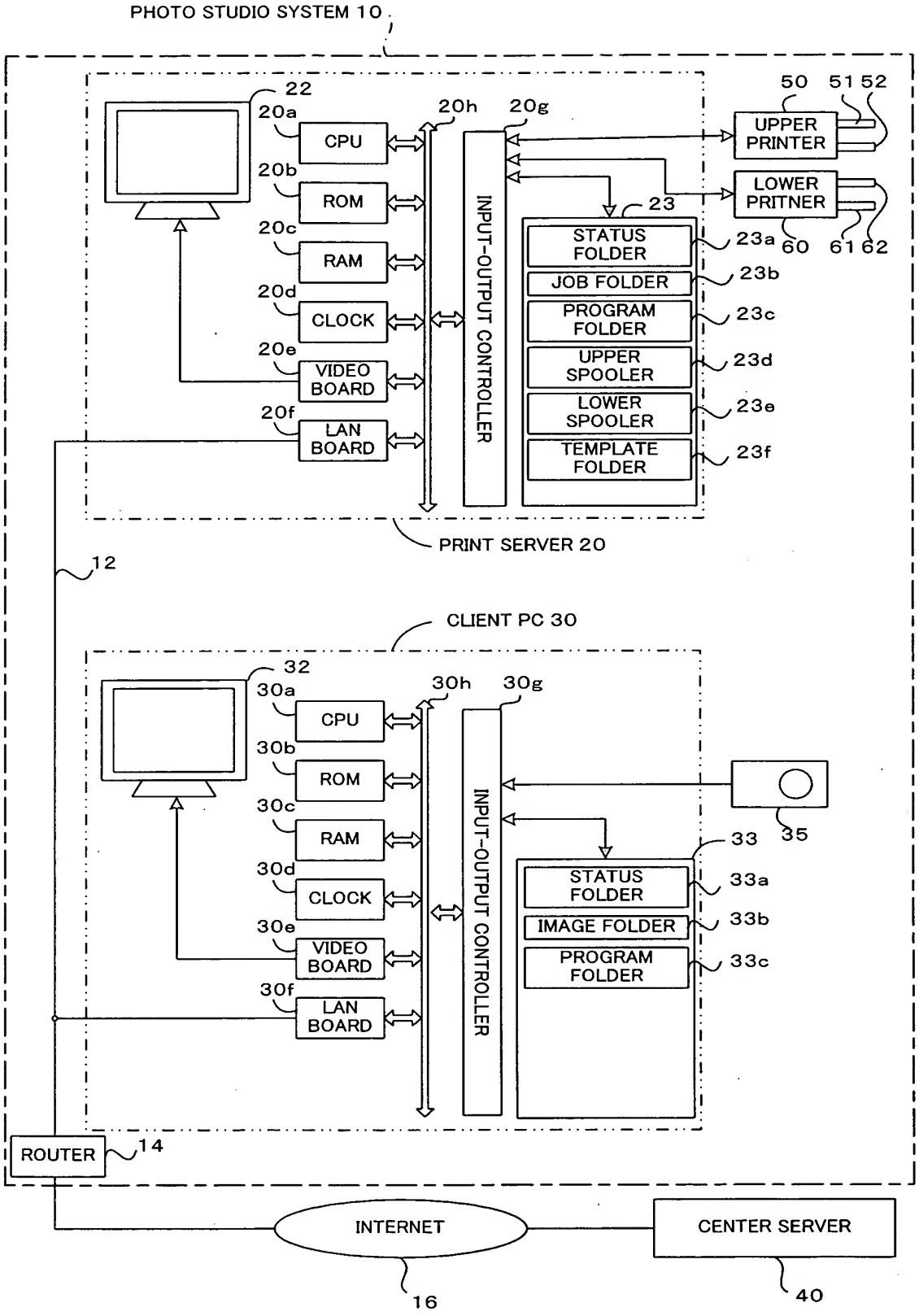
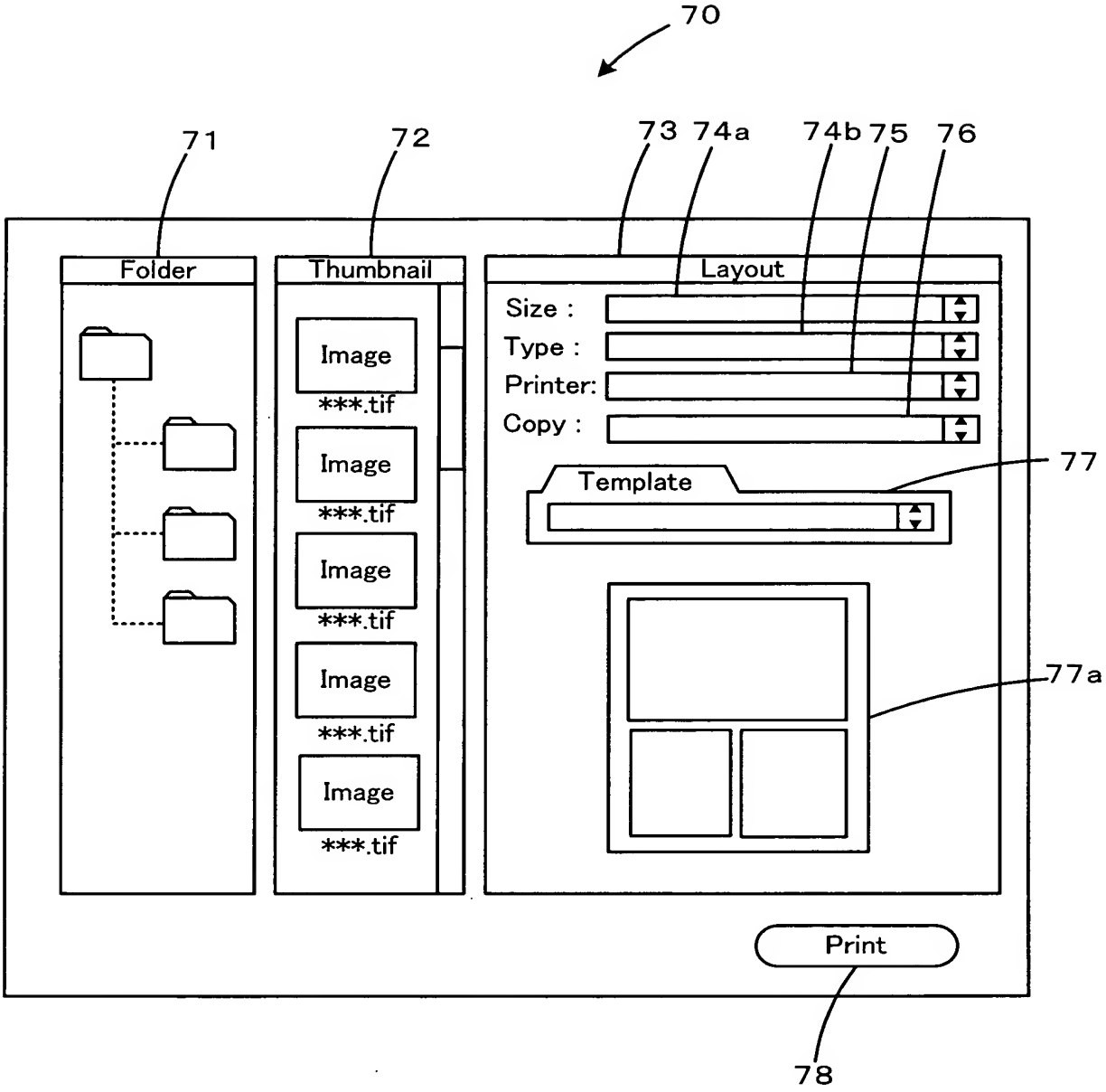


PHOTO STUDIO SYSTEM 10
22
20a
CPU
20b
ROM
20c
RAM
20d
CLOCK
20e
VIDEO BOARD
20f
LAN BOARD
20h
20g
INPUT-OUTPUT CONTROLLER
50
51 52
UPPER PRINTER
LOWER PRITNER
60
61 62
23
STATUS FOLDER
23a
JOB FOLDER
23b
PROGRAM FOLDER
23c
UPPER SPOOLER
23d
LOWER SPOOLER
23e
TEMPLATE FOLDER
23f
PRINT SERVER 20
12
CLIENT PC 30
32
30a
CPU
30b
ROM
30c
RAM
30d
CLOCK
30e
VIDEO BOARD
30f
LAN BOARD
30h
30g
INPUT-OUTPUT CONTROLLER
35
33
STATUS FOLDER
33a
IMAGE FOLDER
33b
PROGRAM FOLDER
33c
ROUTER
14
INTERNET
16
CENTER SERVER
40

Fig. 2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Size :
Type :
Printer:
Copy :
Template
77
77a
Print
78

Fig. 3

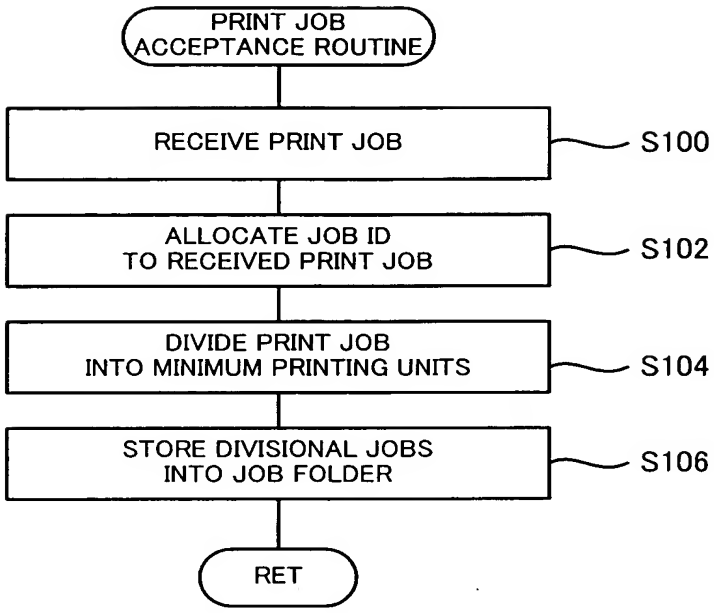

PRINT JOB ACCEPTANCE ROUTINE
RECEIVE PRINT JOB
S100
ALLOCATE JOB ID TO RECEIVED PRINT JOB
S102
DIVIDE PRINT JOB INTO MINIMUM PRINTING UNITS
S104
STORE DIVISIONAL JOBS INTO JOB FOLDER
S106
RET

Fig. 4

Print Management Data

Job ID	0028
Customer ID	0105
・・・	・・・
Page Number	01
Copy Number	02
Paper Size	A4
Paper Type	Luster
Layout Number	0
Specified Printer Name	Auto
Job Allocation Printer Name	—
Image File Name	c¥JOBFOLDER¥dddd.tif
Execution Status	Print Queuing
・・・	・・・

Fig. 5

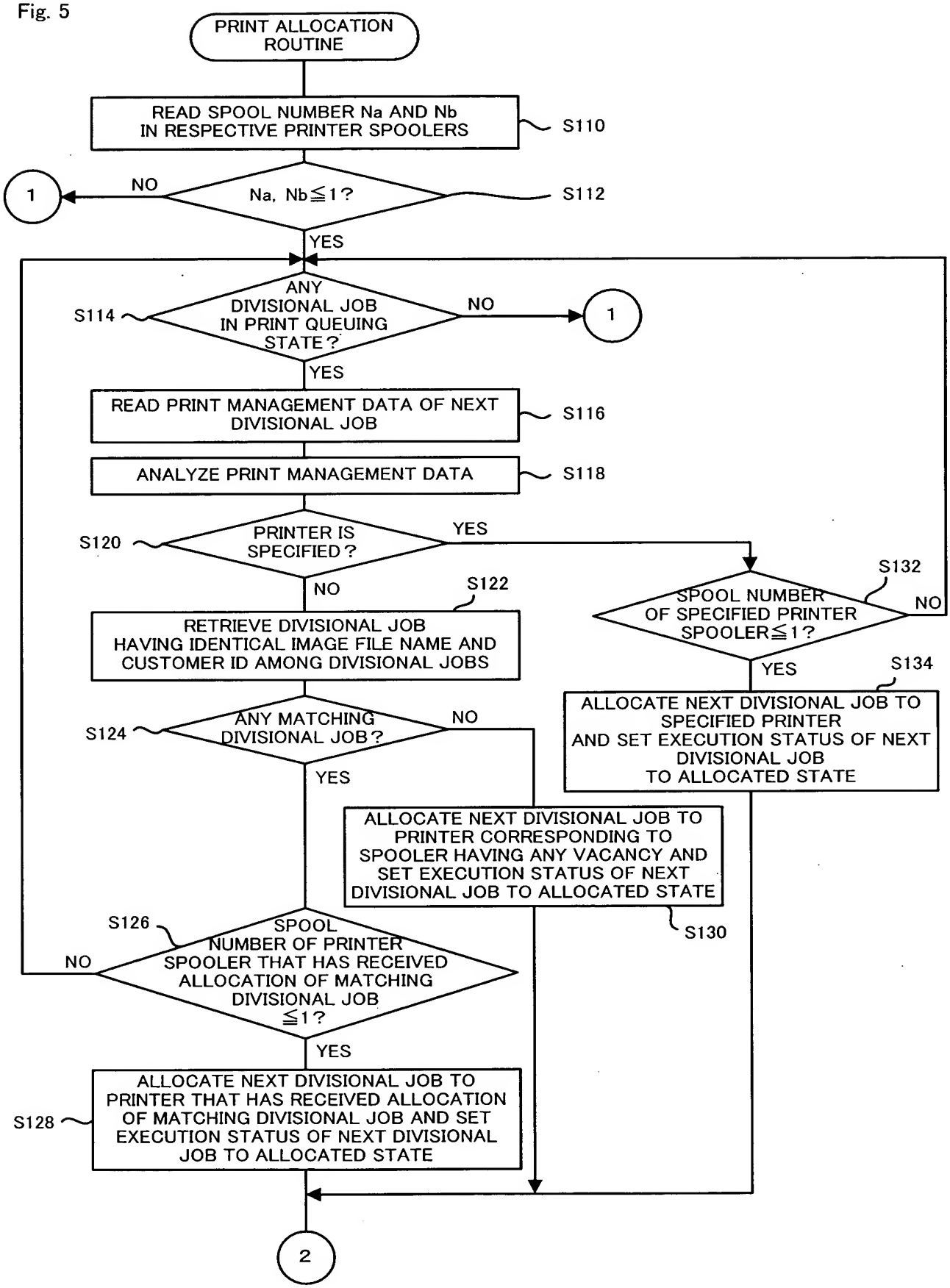
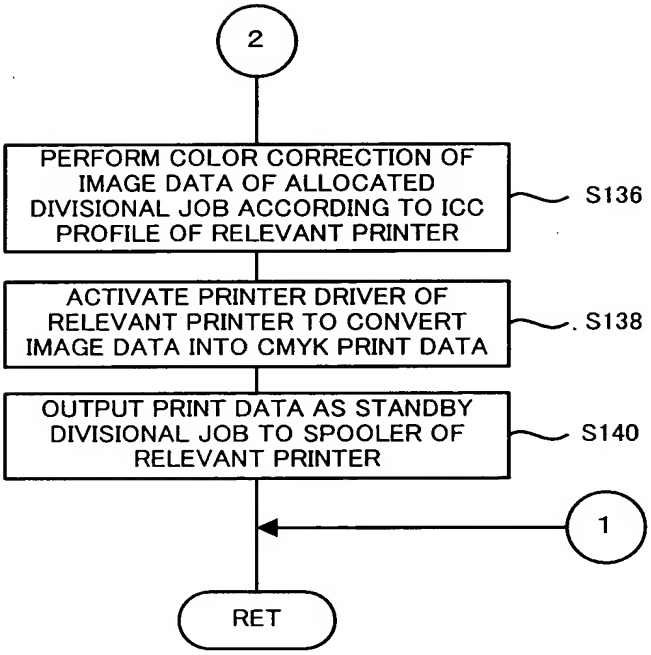

PRINT ALLOCATION ROUTINE
READ SPOOL NUMBER Na AND Nb IN RESPECTIVE PRINTER SPOOLERS
S110
Na, Nb≦1?
S112
NO
1
YES
ANY DIVISIONAL JOB IN PRINT QUEUING STATE?
S114
NO
1
YES
READ PRINT MANAGEMENT DATA OF NEXT DIVISIONAL JOB
S116
ANALYZE PRINT MANAGEMENT DATA
S118
PRINTER IS SPECIFIED?
S120
YES
NO
S122
RETRIEVE DIVISIONAL JOB HAVING IDENTICAL IMAGE FILE NAME AND CUSTOMER ID AMONG DIVISIONAL JOBS
S132
SPOOL NUMBER OF SPECIFIED PRINTER SPOOLER≦1?
NO
YES
S134
ALLOCATE NEXT DIVISIONAL JOB TO SPECIFIED PRINTER AND SET EXECUTION STATUS OF NEXT DIVISIONAL JOB TO ALLOCATED STATE
ANY MATCHING DIVISIONAL JOB?
S124
NO
YES
ALLOCATE NEXT DIVISIONAL JOB TO PRINTER CORRESPONDING TO SPOOLER HAVING ANY VACANCY AND SET EXECUTION STATUS OF NEXT DIVISIONAL JOB TO ALLOCATED STATE
S130
S126
SPOOL NUMBER OF PRINTER SPOOLER THAT HAS RECEIVED ALLOCATION OF MATCHING DIVISIONAL JOB ≦1?
NO
YES
ALLOCATE NEXT DIVISIONAL JOB TO PRINTER THAT HAS RECEIVED ALLOCATION OF MATCHING DIVISIONAL JOB AND SET EXECUTION STATUS OF NEXT DIVISIONAL JOB TO ALLOCATED STATE
S128
2

Fig. 6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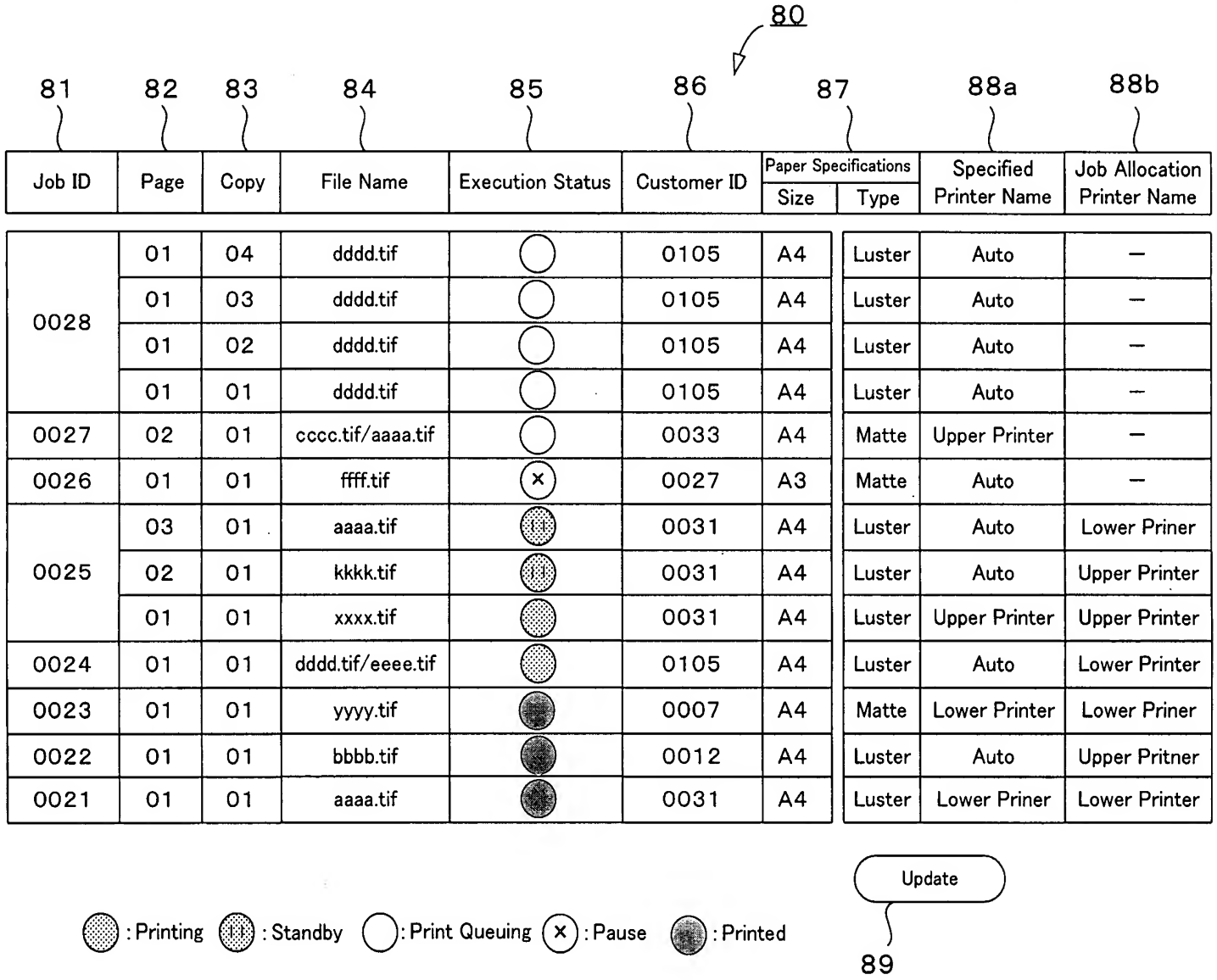
PERFORM COLOR CORRECTION OF IMAGE DATA OF ALLOCATED DIVISIONAL JOB ACCORDING TO ICC PROFILE OF RELEVANT PRINTER
S136
ACTIVATE PRINTER DRIVER OF RELEVANT PRINTER TO CONVERT IMAGE DATA INTO CMYK PRINT DATA
S138
OUTPUT PRINT DATA AS STANDBY DIVISIONAL JOB TO SPOOLER OF RELEVANT PRINTER
S140
1
RET

Fig. 7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88a
88b
Job ID
Page
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File Name
Execution Status
Customer ID
Paper Specifications
Size
Type
Specified Printer Name
Job Allocation Printer Name
0028 01 04 dddd.tif 0105 A4 Luster Auto —
0028 01 03 dddd.tif 0105 A4 Luster Auto —
0028 01 02 dddd.tif 0105 A4 Luster Auto —
0028 01 01 dddd.tif 0105 A4 Luster Auto —
0027 02 01 cccc.tif/aaaa.tif 0033 A4 Matte Upper Printer —
0026 01 01 ffff.tif 0027 A3 Matte Auto —
0025 03 01 aaaa.tif 0031 A4 Luster Auto Lower Priner
0025 02 01 kkkk.tif 0031 A4 Luster Auto Upper Printer
0025 01 01 xxxx.tif 0031 A4 Luster Upper Printer Upper Printer
0024 01 01 dddd.tif/eeee.tif 0105 A4 Luster Auto Lower Printer
0023 01 01 yyyy.tif 0007 A4 Matte Lower Printer Lower Priner
0022 01 01 bbbb.tif 0012 A4 Luster Auto Upper Pritner
0021 01 01 aaaa.tif 0031 A4 Luster Lower Priner Lower Printer
: Printing
: Standby
: Print Queuing
: Pause
: Printed
Update
89